

## ABSTRACT OF THE DISCLOSURE

The performance of an executing computer program on a computer system is monitored using latency sampling. The program has object code instructions and is  
5 executing on the computer system. At intervals, the execution of the computer program is interrupted including delivering a first interrupt. In response to at least a subset of the first interrupts, a latency associated with a particular object code instruction is identified, and the latency is stored in a first database. The particular object code instruction is executed by the computer such that the program remains  
10 unmodified.